



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/087,433 Confirmation No.: 3428
Applicant(s): Hung Viet Ngo
Filed: 3/1/2002
Art Unit: 2874
Examiner: Kang, Juliana K.
Title: Angled Optical Connector Adapter Mounting Assembly
Attorney Docket No.: 003A.0043.U1(US)
Customer No.: 29,683

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Declaration Under 37 C.F.R. §1.131

Sir:

I, the inventor of the invention described and claimed in the above-identified patent application, declare as follows:

1. I conceived the invention at least as early as 2001. This was before the filing date of February 7, 2002 for U.S. Patent No. 6,688,780 B2. Attached as Exhibits are copies of an Invention Disclosure Form dated April 11, 2001 (Exhibit A), supplemental figures created at least as early at July 30, 2001 (Exhibit B), and a second Invention Disclosure Form dated July 23, 2001 (Exhibit C) which describes the invention and shows the invention in the drawings.
2. The description and drawings in the Invention Disclosure Form are believed to be sufficient to establish a reduction to practice at least as early as 2001.

3. If the description and drawings in the Invention Disclosure Form are not considered a reduction to practice, then it is believed that a constructive reduction to practice occurred on March 1, 2002 when the above-identified patent application was filed with the U.S. Patent and Trademark Office. This was 22 days after the filing date of February 7, 2002 for U.S. Patent No. 6,688,780 B2. It is believed that applicant was diligent in reducing the invention to practice during this period. During the 22 day period, the application was being reviewed, executed by the inventor and forwarded to applicant's attorney for filing. Evidence of this diligence is shown in the copies of correspondence emails and letter in Exhibit D.

Based upon information and belief, it is believed that the invention of the present patent application occurred prior to the effective date of U.S. Patent No. 6,688,780. Therefore, it is believed that U.S. Patent No. 6,688,780 is not prior art.

I/We hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

All Inventors:

Date: March - 08 - 2005

By: Hung Viet Ngo
Name: Hung Viet Ngo

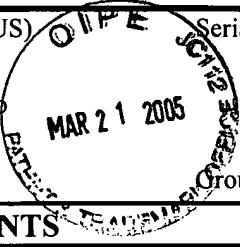
INFORMATION DISCLOSURE CITATION FORM FOR PATENT APPLICATION (FORM PTO-1449) (Substitute)		Docket No.: 003A.0043.U1(US) Serial No.: 10/087,433 Applicant(s): Hung Viet Ngo Filing Date: March 1, 2002  Group: 2874				
U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number (Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant		Class	Sub-class
	US-6,863,446 B2 US- US- US- US- US- US- US- US- US- US- US- US- US- US-	03-08-2005	Ngo		385	72
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number (Country Code-Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name Of Patentee of Applicant		Translation? Yes/No/n/a	
	- - - - - - - - - - - - - - - - - -					
OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)						
Examiner's Signature:			Date Considered:			
Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered. Include a copy of this citation form with your next correspondence to the Applicant(s).						

Exhibit A



Confidential

APR 2001

Patent Department only

FCI Case No C3043

BY: _____
Invention Disclosure Form

To : Patent Department

Date : 04-27-2001

From : HUNG NGO

Location Valley Green

This invention relates to : 45 Degree Metal Shielded Adapter frame for MPO/MTP Connector

(Brief Descriptive Title)

The inventor(s) is (are) : HUNG NGO

(Print Full name(s))

address (es) inventor(s) and Nationality: (please provide on separate form)

Product to which this invention relates :

Fiber Optics Panel or Face plate product application & MTP, MPO connector

A brief full description of the parts and the function of the parts (Refer to Attached Drawing or Sketch and Number the parts. Continue on additional pages if necessary.) :

The 45 deg. Adapter frame is mounted to a front panel or face plate from "behind". The MPO/MTP adapter will be inserted into the frame. Rectangular gasket provides EMI Shielding. MPO/MTP with Twisted boot insets into adapter for mating.

The nearest thing to this invention that I know of

45 deg. Adapter frame for SC & LC connector Ref. C3029 & C2885 (Item)

Manufactured by

(Attach Descriptive Literature if Available)

I (we) first thought of this invention on 2001-04-11 (Date)

The invention is first described in notebook 2001-04-11 (Identify)

Project / Contract : (Identify)

The first sketch or drawing is No SK 45745.prt.2 (Pro-E) Dated 2001-04-11

The invention was first built on (Date)

The test results are reported in (Memo, Notebook or Lab Report) Dated

This invention was explained to FCI Employee on 2001-04-12

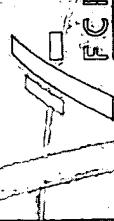
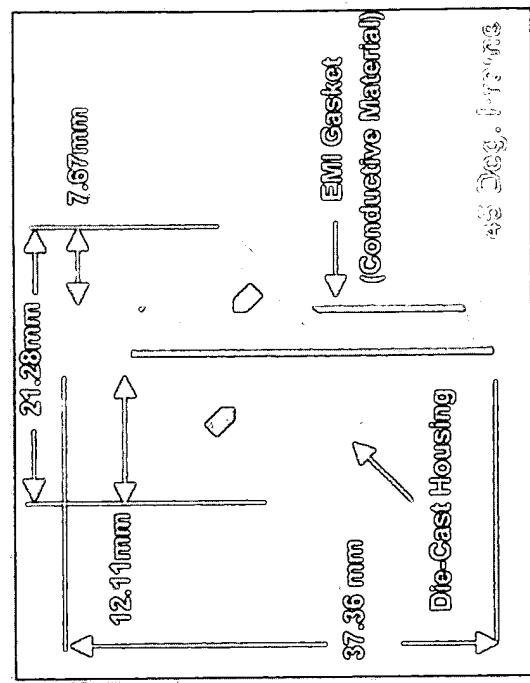
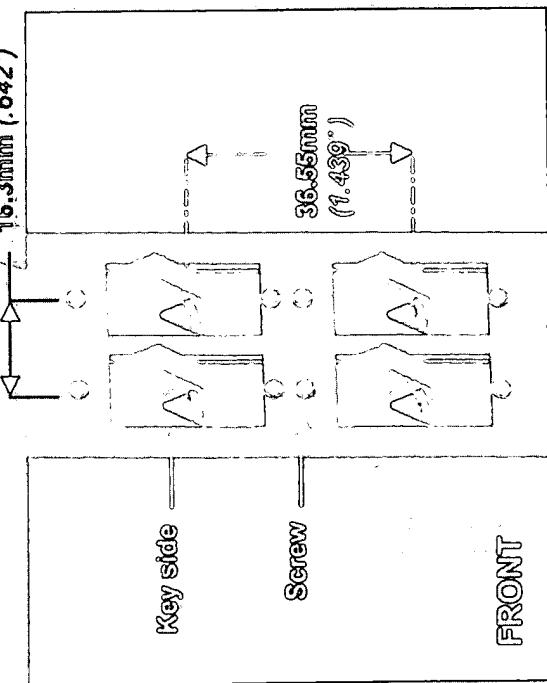
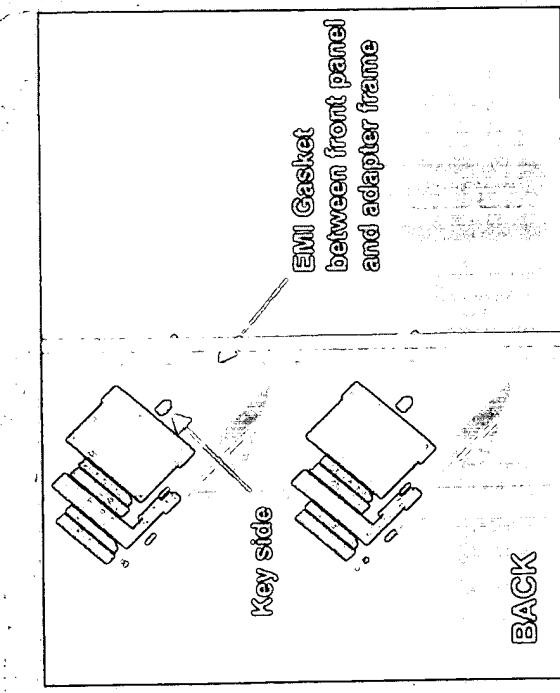
Signature of Inventor(s) and date : 04/27/01 Read and Understood :

Signature of Witness(s) and date

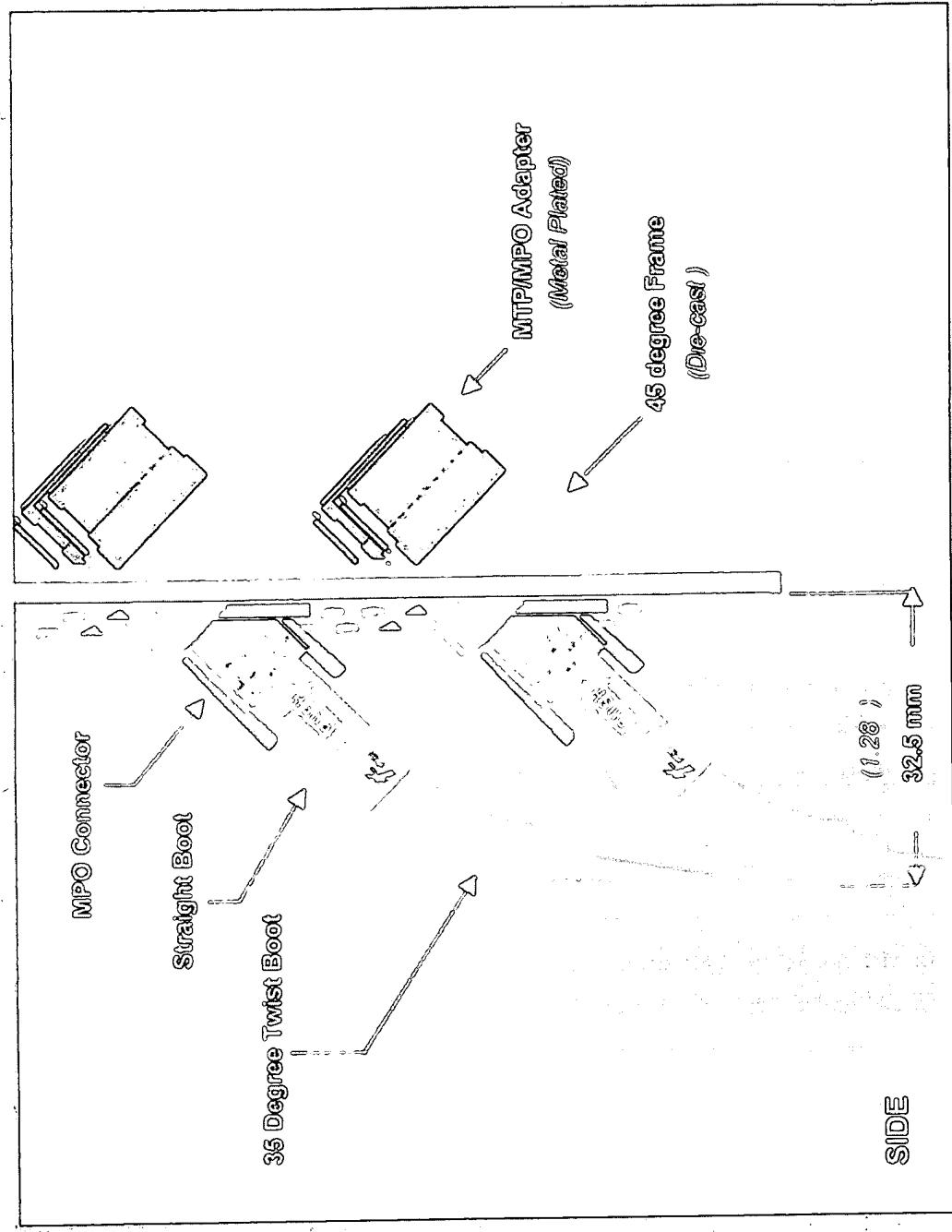
Hung NGO

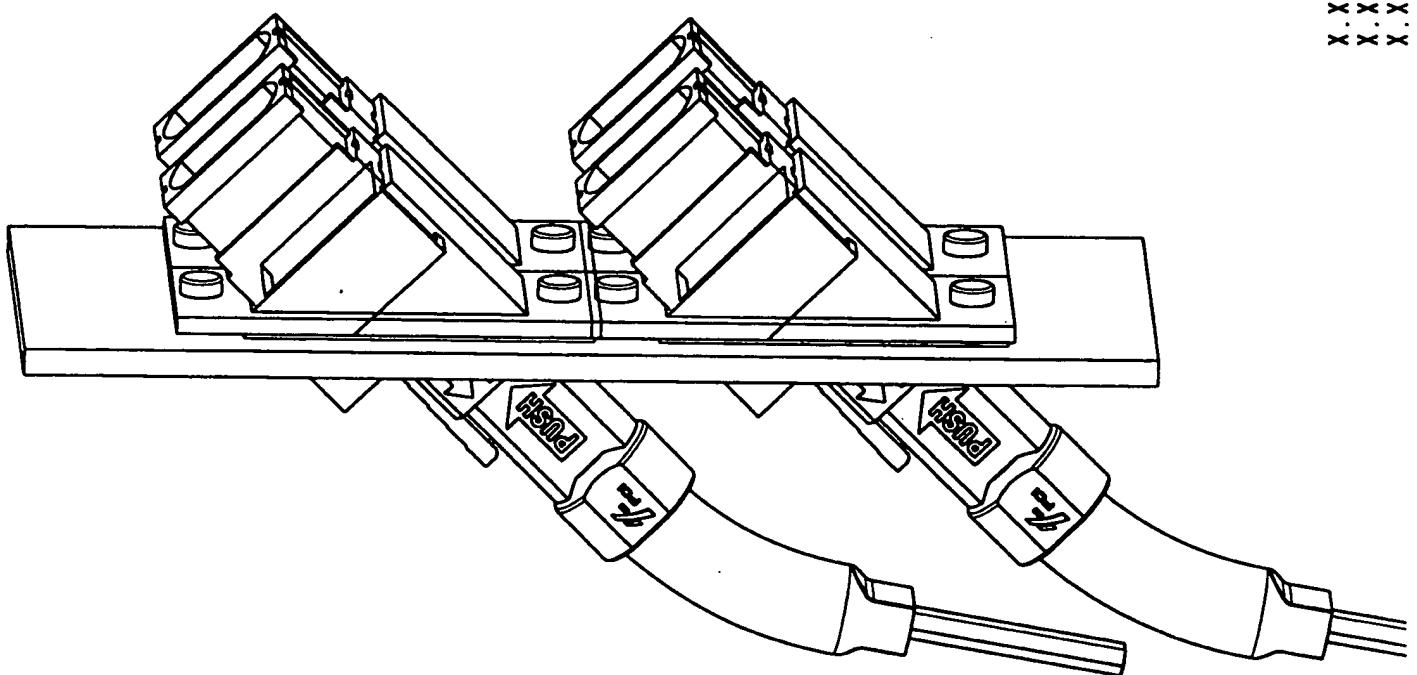
Ryan Bem 4/30/01

MPO & 45 degree Shielded Adapter Frame

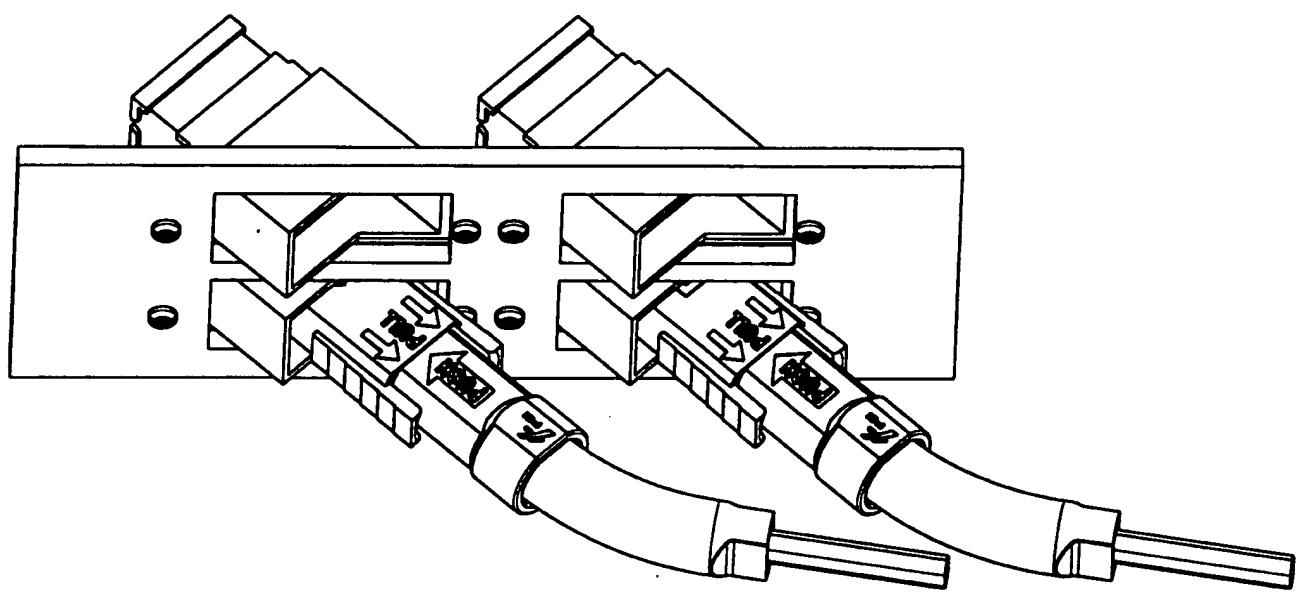


MPO & 45 degree Shielded Adapter Frame

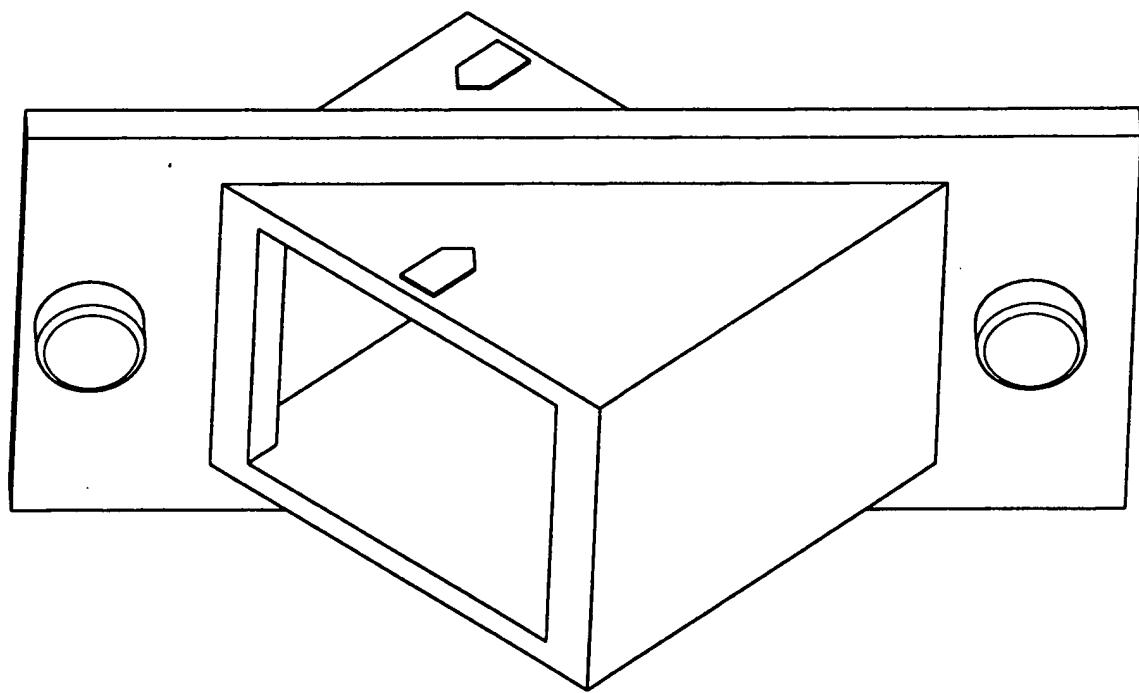




X.X ± 0.2
X.XX ± 0.10
X.XXX ± 0.050



X . X . ± 0.2
X . X . ± 0.10
X . X . X ± 0.050



X.X +0.3
X.XX +0.13
X.XXX +0.051

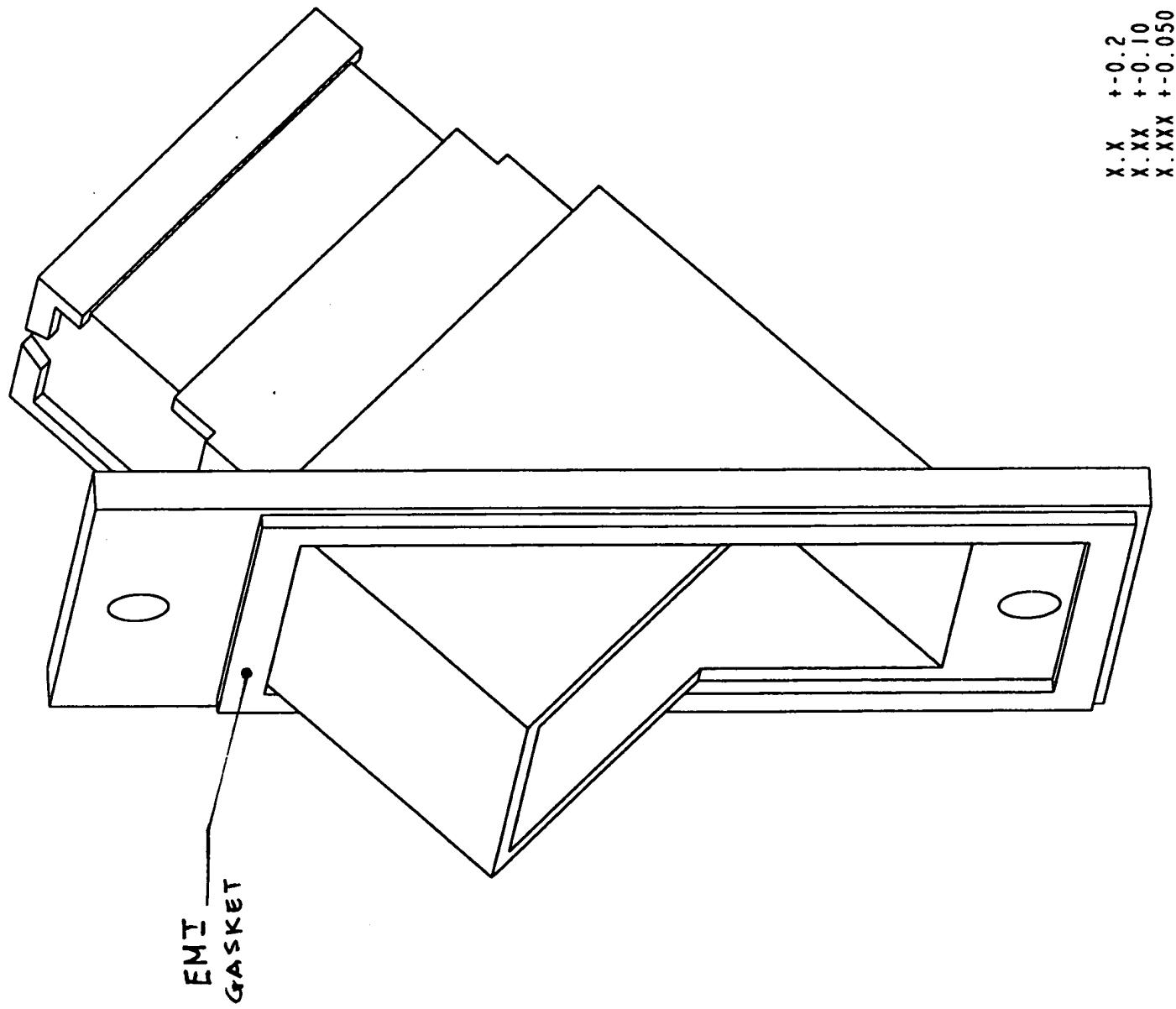
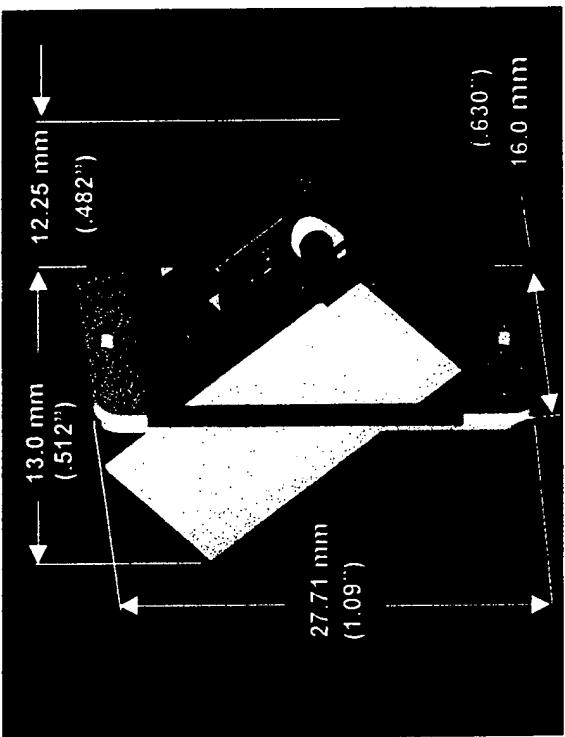
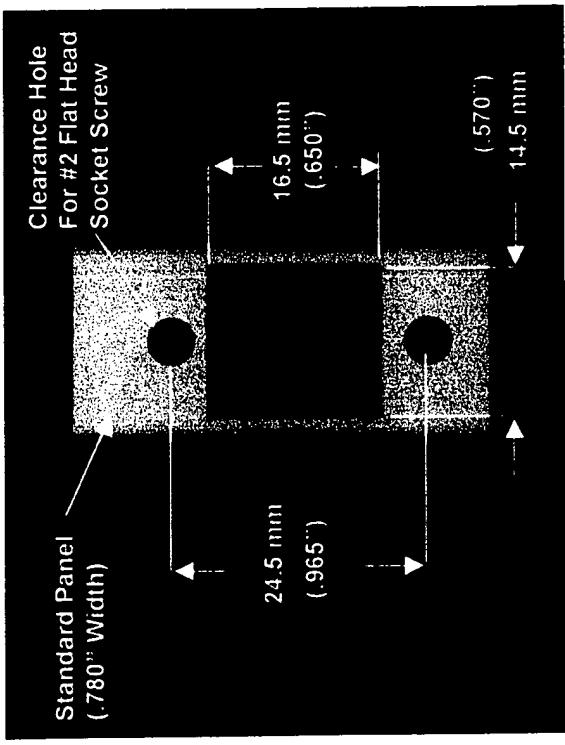
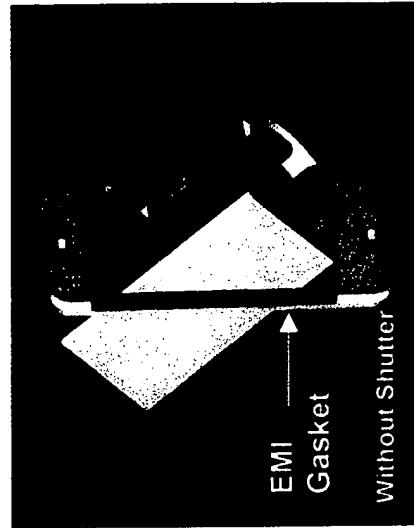
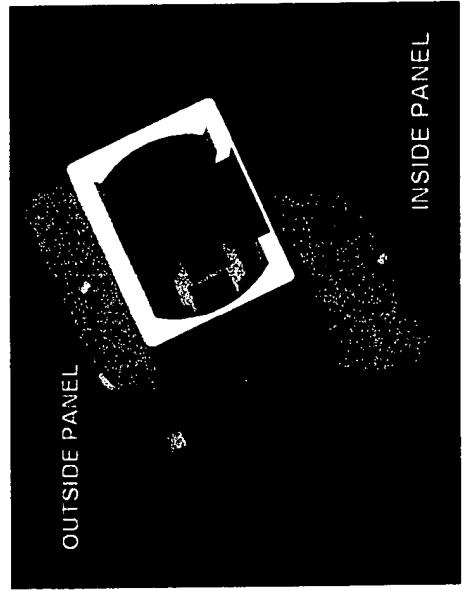


Exhibit B

MPO/MTP & 45 degree Shielded Adapter Frame (With and Without a Shutter)

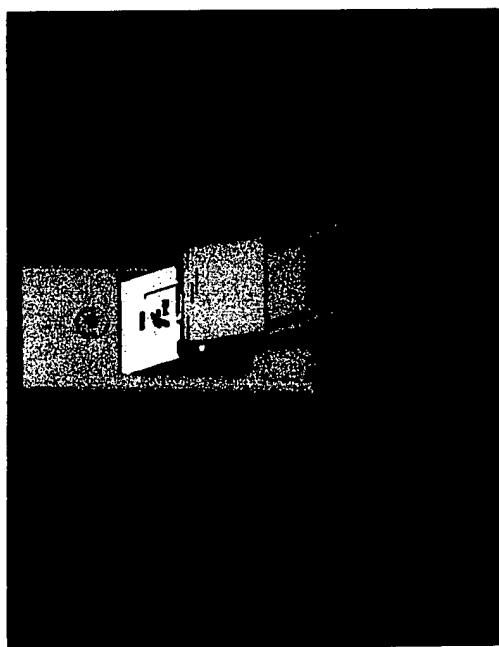
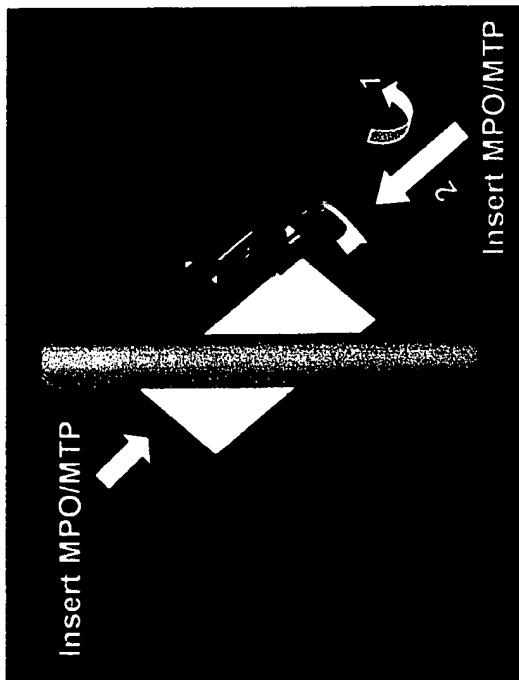
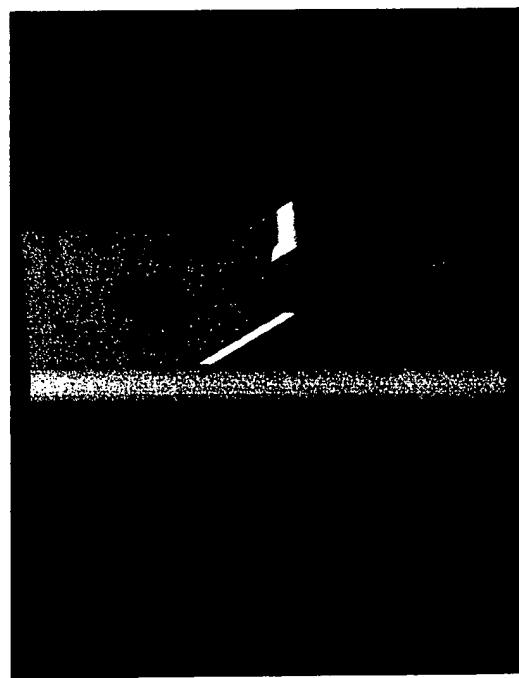


ADAPTER FRAME

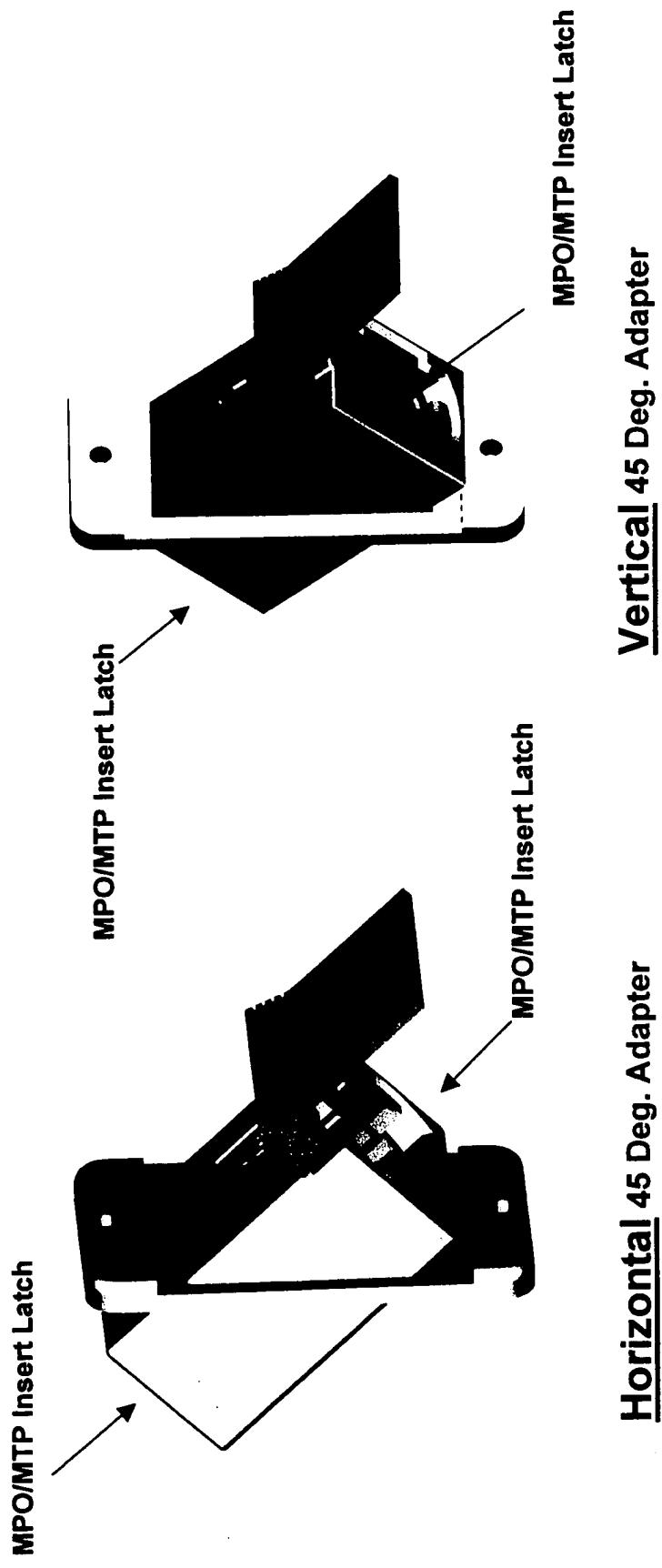


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MPO/MTP & 45 degree Shielded Adapter Frame (With and Without a Shutter)



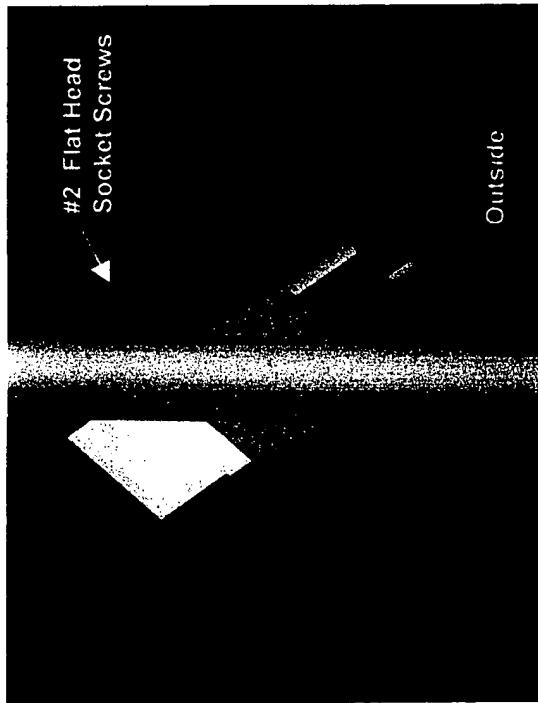
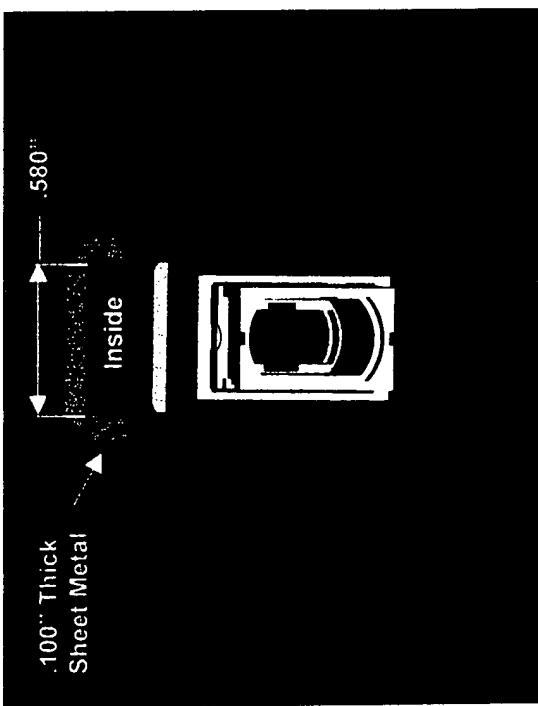
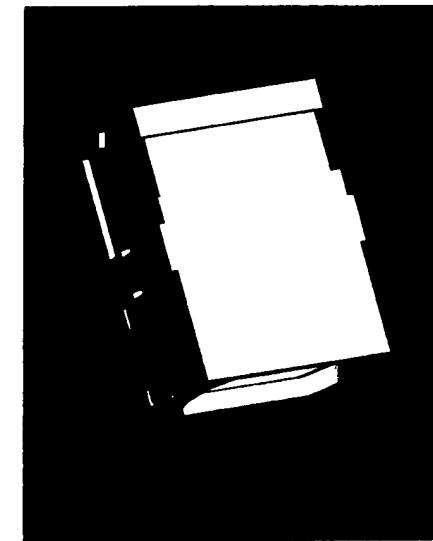
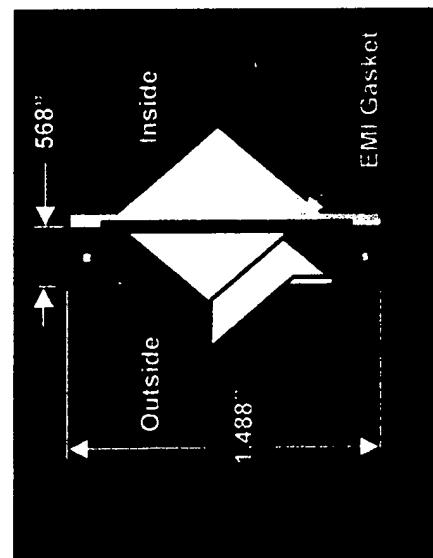
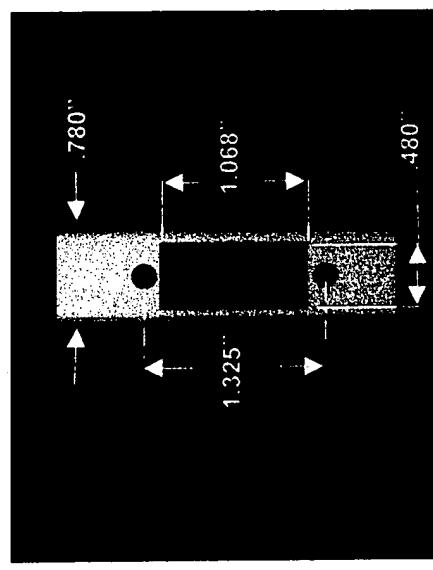
MPO-MTP 45 Deg. Angle Adapter



Ref C-3043
UPDATE D

MP

1 degree Shielded Adapter Frame (Without a Shutter)



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MPO/MTP & 45 degree Shielded Adapter Frame (With a Shutter)

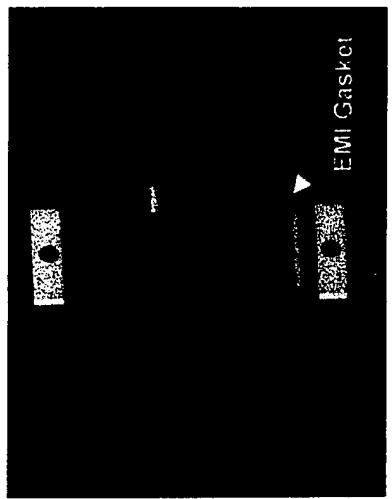
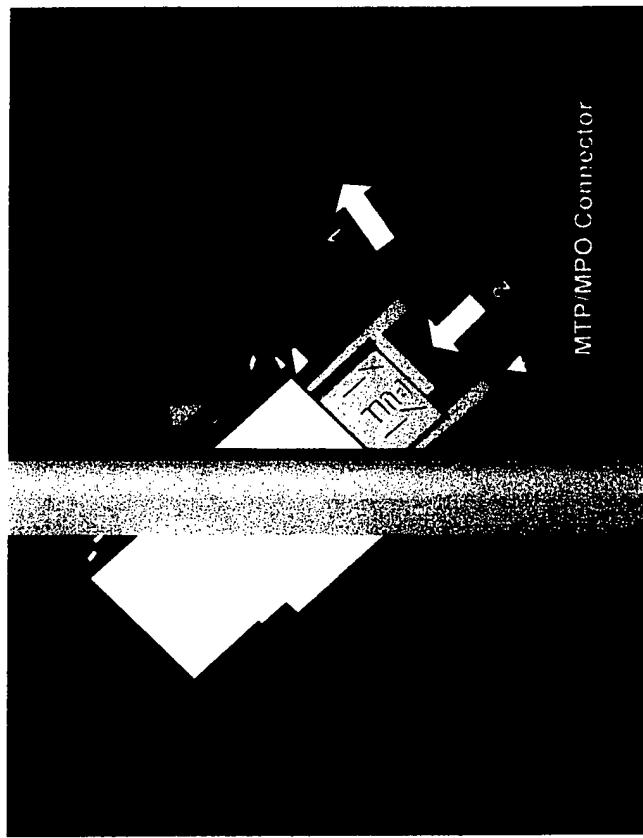
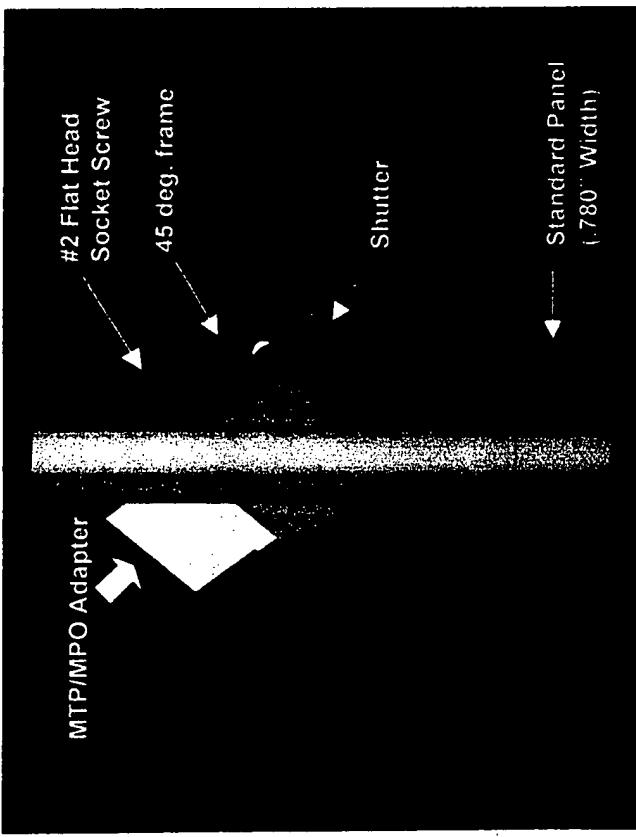


Exhibit C



RECEIVED
JUL 25 2001
BY: Confidential

Patent Department only

FCI Case No.

C3109

Invention Disclosure Form

To : Patent Department

Date : 07-23-01

From : HUNG NGO

Location Valley Green

This invention relates to : **Assembly Latch method** _____
(Brief Descriptive Title)

The inventor(s) is (are) : **HUNG NGO** _____

(Print Full name(s))

address (es) inventor(s) and Nationality: (please provide on separate form)

Product to which this invention relates :

MPO/MTP Adapter _____

A brief full description of the parts and the function of the parts (Refer to Attached Drawing or Sketch and Number the parts. Continue on additional pages if necessary.) :

The Existing product used the press-fit method to insert the Insert Latch component to the half adapter frame, and then they used ultrasonic bonding method to bond two half Adapter frame together. The new design will reduce the manufacturing cost with fewer components (1 adapter frame) and no bonding process requirement. The new design will reduce the amount of miss-alignment in the other words that it will increase the accuracy

The nearest thing to this invention that I know of

MPO/MTP adapter from US Connect _____ (Item)

Manufactured by

(Attach Descriptive Literature if Available)

I (we) first thought of this invention on **2001-05-02** _____ (Date)

The invention is first described in notebook _____ (Identify)

Project / Contract : _____ (Identify)

The first sketch or drawing is No. **Metalframe.prt** Dated **2001-05-02** _____

The invention was first built on **2001-06-04** _____ (Date)

The test results are reported in _____ Dated _____
(Memo, Notebook or Lab Report)

This invention was explained to FCI Employee on **2001-05-25**.

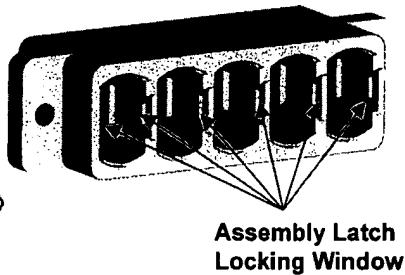
Signature of Inventor(s) and date :

Hung Viet Ngo July 23, 2001

Read and Understood :

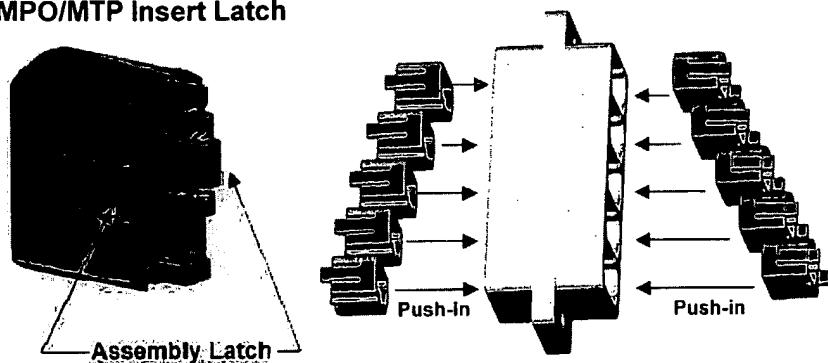
Signature of Witness(s) and date

Simplex or Multiple Position Adapter Frame



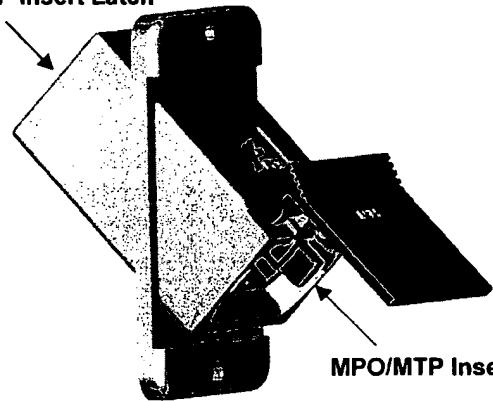
Assembly Latch Locking Window

MPO/MTP Insert Latch



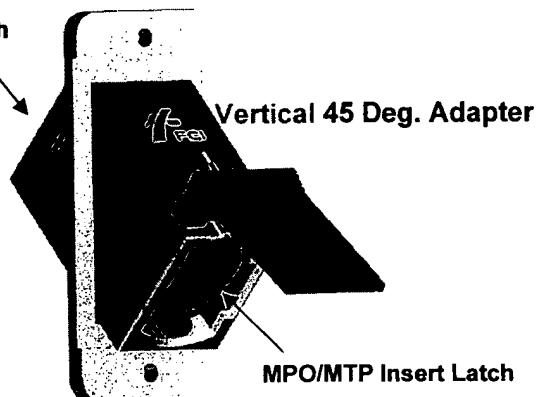
← **Simplex or Multiple Position Adapter System**

MPO/MTP Insert Latch



Horizontal 45 Deg. Adapter

MPO/MTP Insert Latch



Vertical 45 Deg. Adapter

MPO-MTP Adapter System

fl.

Exhibit D

From: "Reiss, Steven" <SReiss@fciconnect.com>
To: "Janik Marcovici (E-mail)" <jmarcovici@mail.pgpatent.com>
Date: 2/19/02 3:45PM
Subject: C3403

Please send me another copy of the most recent draft.

Thanks!

Steven M. Reiss
Patent Attorney
FCI USA, Inc.
Intellectual Property Department
825 Old Trail Road
Etters, PA 17319-9351

Voice: 717-938-7514
Fax: 717-938-7211
E-mail: sreiss@fciconnect.com

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From: Janik Marcovici
To: Reiss, Steven
Date: 2/19/02 4:09PM
Subject: Re: FW: C3043/010481

Dear Steve:

Attached is an electronic copy (in Word) of the draft application and drawings (6) for the above noted case.

Best Regards,
Janik

LAW OFFICES

PERMAN & GREEN, LLP
PATENT, TRADEMARK AND COPYRIGHT PRACTICE
425 POST ROAD
FAIRFIELD, CONNECTICUT 06430-6232

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MICHAEL H. SHANAHAN*
MICHAEL T. CLORITE
JOHN C. HUGHS*

OF COUNSEL
DONALD C. CAULFIELD
PAUL WEINSTEIN

* MA BAR
* NY BAR
* TX & ID BAR M. Steven Reiss, Esq.
FCI USA, Inc.
825 Old Trail Road
Etters, PA 17319

February 25, 2002

Re: U.S. Patent Application for:
"ANGLED OPTICAL CONNECTOR ADAPTER MOUNTING
ASSEMBLY"
Your Reference: C3043 US
Our Reference: 680-010481-US (PAR)

Dear Steve:

Enclosed, please find the finalized application for the above-referenced patent docket, together with a Combined Declaration and Power of Attorney and Assignment for execution.

An extra copy of the application is enclosed for your file. If you have any questions, please feel free to call.

Sincerely,

PERMAN & GREEN, LLP



Janik Marcovici
JM/eh
Enclosures

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- OTHER:** _____

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